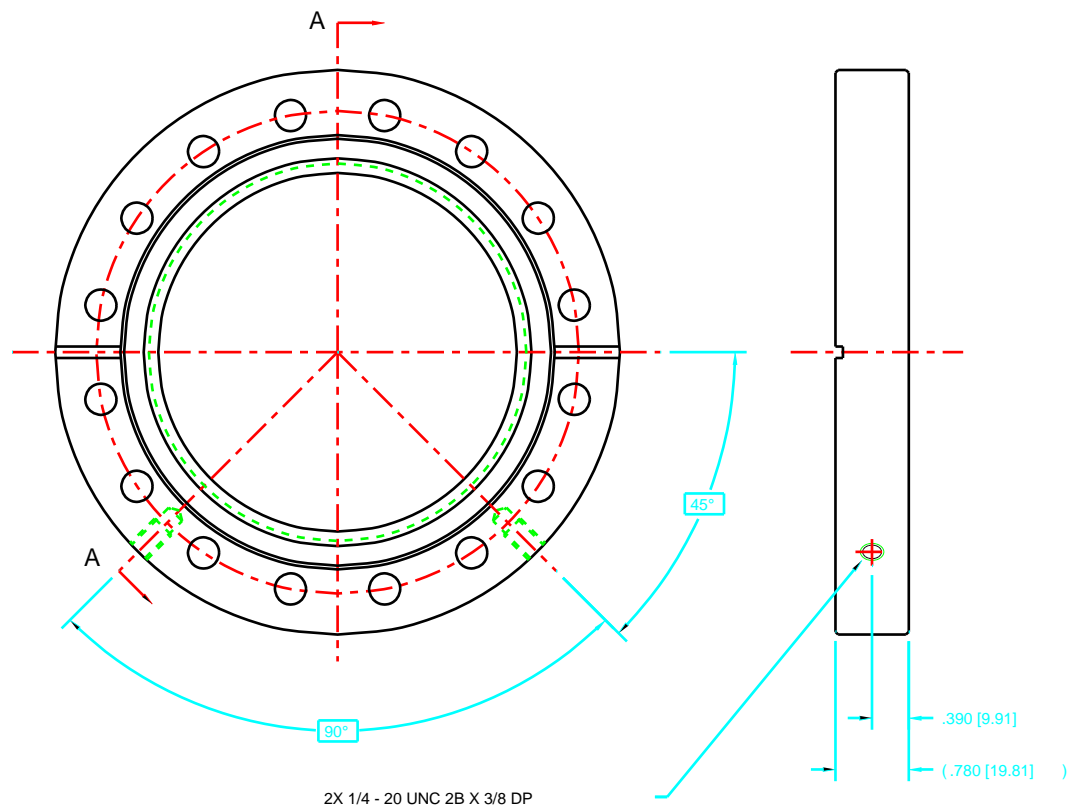



SECTION A - A



NOTES:

1. MAKE FROM MDC'S CAT. #100025
2. WHEN MACHINING VACUUM PARTS, USE OF SILICONE AND SULPHUR-BASED CUTTING FLUIDS IS PROHIBITED. USE ONE OF THE FOLLOWING:
 - A) CIMCOOL 5 STAR 49
 - B) TRIM SOL
3. THIS IS A UHV PART, ELECTROPOLISHING IS NEEDED BEFORE WELDING. PRIOR TO ELECTROPOLISHING, THE PART NEEDS TO GO THROUGH A MULTIPLE STEP CLEANING PROCESS INVOLVING DEGREASING, WASHING AND DRY NITROGEN BLOW DOWN.
4. KEEP THE PART CLEAN, AND WRAP FOR UHV PACKING WITH ALUMINUM FOIL.
5. DIMENSIONS IN [] ARE MILLIMETERS

SYM	CHANGE DESCRIPTION	BY	CHKD	DATE
REVISIONS				

ITEM		DWG PART NUMBER		NOMENCLATURE OR DESCRIPTION		MATERIAL / SPEC		QTY									
PARTS LIST																	
<div>UNLESS OTHERWISE SPECIFIED: ALL DIMENSIONS ARE IN INCHES</div> <div>TOLERANCES</div> <table><tr><td>DECIMALS</td><td>ANGULAR</td></tr><tr><td>.XX - .03 [.7620]</td><td>- .25</td></tr><tr><td>.XX - .01 [0.25]</td><td></td></tr><tr><td>.XXX - .005 [0.127]</td><td></td></tr></table> <div>SURFACE ROUGHNESS 125 ✓</div> <div>REMOVE ALL BURRS AND BREAK SHARP EDGES .03 MAX.</div> <div>SURFACE TEXTURE TO BE IN ACCORDANCE WITH LATEST ANSI B46.1</div> <div>DIMENSIONING & TOLERANCING IN ACCORDANCE WITH LATEST ANSI Y14.5</div> <div>DO NOT SCALE DRAWING</div>		DECIMALS	ANGULAR	.XX - .03 [.7620]	- .25	.XX - .01 [0.25]		.XXX - .005 [0.127]		LOG NUMBER <div>A13694</div>		<div>THIS DRAWING IS THE PROPERTY OF</div> <div><div></div><div>ARGONNE NATIONAL LABORATORY</div></div>					
		DECIMALS	ANGULAR														
		.XX - .03 [.7620]	- .25														
		.XX - .01 [0.25]															
		.XXX - .005 [0.127]															
DRAWN BY MUSCIA		DATE 9/24/93		CHIEF DESIGN ENGINEER		DATE		TITLE <div>ADVANCED PHOTON SOURCE</div> <div>I.D. FRONT END</div> <div>4" I.D. BE WINDOW</div> <div>RIGHT SIDE</div> <div>VACUUM FLANGE</div>									
CHECKED BY				GP LEADER													
DESIGNER MUSCIA				PROJECT MGR.													
RESPONSIBLE ENGINEER				APPROVED/RELEASED													
MATERIAL SEE NOTE #1				SCALE 1:1		SIZE C		DRAWING NUMBER P4102010109-210001-00									
				SHEET 1 of 1													

TITLE ADVANCED PHOTON SOURCE A

I.D. FRONT END

4" I.D. BE WINDOW

RIGHT SIDE

VACUUM FLANGE